## **Books Reviewed During 1988**

Elements of Structural Optimization, edited by R. T. Hafkta and M. P. Kamat, *Martinus Nijhoff Publishers* (26, 1, p. 124); reviewed by L. Berke and D. Murthy.

Transonic Aerodynamics, by J. D. Cole and L. P. Cook, Elsevier Science Publishers (26, 2, p. 250); reviewed by M. Hafez.

**Turbulent Shear-Layer/Shock Wave Interactions**, edited by J. Délery, *Springer-Verlag, Inc.* (26, 4, p. 507); reviewed by G. S. Settles.

Transsonishee Turbomaschinen, by A. Bölcs and P. Suter, G. Braun Karlsruhe Publishing (26, 4, p. 507); reviewed by M. F. Platzer

Advances in Turbulence (Proceedings of the First European Turbulence Conference, Lyon, France, July 1-4, 1986), edited by Comte-Bellot and J. Mathieu, *Springer-Verlag, Inc.* (26, 4, p. 508); reviewed by R. Simpson.

Experimental Characterization of Advanced Composite Materials, by L. A. Carlsson and R. B. Pipes, *Prentice-Hall, Inc.*, (26, 5, p. 632); reviewed by C. W. Bert.

Combustion Fundamentals, by R. A. Strehlow, McGraw-Hill Book Company (26, 7, p. 1139); reviewed by F. A. Williams.

Heat Transfer 1982 (Proceedings of the Seventh International Heat Transfer Conference, Munich, FRG, September 6-12, 1982), edited by U. Grigull, E. Hahne, K. Stephan, and J. Straub, *Hemisphere Publishing Corp.* (26, 7, p. 1140); reviewed by P. M. Moretti.

Optimal Spacecraft Rotation Maneuvers, by J. L. Junkins and J. D. Turner, *Elsevier* (26, 8, p. 1018); reviewed by A. E. Bryson Jr.

Probabilistic Methods in the Theory of Structures, by I. Elishakoff, *John Wiley & Sons, Inc.* (26, 9, p. 1143); reviewed by F. Kozin.

Flow Induced Vibration of Circular Cylindrical Structures, by S.-S. Chen, *Hemisphere Publishing Corp.* (26, 9, p. 1144); reviewed by D. Rockwell.

Turbulence in Fluids, by M. Lesieur, Martinus Nijhoff Publishers (26, 10, p. 1288); reviewed by J. L. Lumley.

Transport Processes in Chemically Reacting Flow Systems, by D. E. Rosner, *Butterworths* (26, 12, p. 1528); reviewed by P. A. Libby

	Required by 39	NAGEMENT AND CIRC	CULATION
A. Title of Publication	Augures by 39	18. PUBLICATION	N NO. 2. Date of Frling
AIAA Journal		0 0 9 9 2	0 10/25/88
Frequency of Issue		3A. No. of Issues Publis Annually	
M		1	
Monthly . Complete Mailing Address of Known Office of Publication (	Sauce Can Cana	12	\$27.00
370 L'Enfant Promenade, S. W.	arreer, City, Court	ry, state and ZIF+4 Code; (Not print	ens .
Washington, D. C. 20024			
. Complete Mailing Address of the Headquarters of General B	lusiness Offices	of the Publisher (Nor printer)	
same as above			
Full Names and Complete Mailing Address of Publisher, Edit	tor and Managi	no Editor (This item MIST NOT be	Month
ublisher (Name and Complete Mailing Address)			
American Institute of Aeronautics an	nd Astrona	utics, Inc.	
(same as above)			
ditor (Name and Complete Mailing Address) George W. Sutton			
(same as above)			
fanaging Editor (Name and Complete Moiling Address) William F. O'Connor			
(Same as above)			
Ownest (If owned by a corporation, its name and address must be i percent or more of total amount of stock. If not owned by a corp- or other unincorporated from, its name and address; as well as that name and address must be stated.) (Hern must be completed.)	stated and also in oration, the name t of each individua	mediately thereunder the names and a s and addresses of the individual own it must be given. If the publication is	addresses of stockholders owning or hi ers muss be given. If owned by a partn published by a nomprofit organitation,
Full Name		Complet	e Malling Address
American Institute of Aeronautics an	id		s above
Astronautics, Inc.			
Known Bondholders, Mortgagees, and Other Security Holds	ers Owning or H	olding 1 Percent or More of Total	Amount of Bonds, Mortgages or
Sacurities (If there are name, so state)			
Full Name			e Mailing Address
		Complet	e making Address
none		Vonper	e making Address
none		Vorigies	e maining Audress
none		vviipie	a maining Accress
	deri at Special R		
Eor Completion by Nonprofit Organizations Authorized To h The purpose, function, and nonprofit status of this organize	deil at Speciel R		
For Completion by Nonprofit Organizations Authorized To The purpose, function, and comprofit status of this signalize (1) [2]	hanged During	ates (DMM Section 423.12 only) empt status for Federal income to (III thus	an purposes (Check che)
For Completion by Nonporth Organizations Authorized To Nonporth Organization and complete status of this organization. And Complete Status of this organization of the	hanged During Sing 12 Months	ates IDMM Sernon 427-12 only) sempt status for Federal income to the change change	an purposes (Check one) seed, publisher musi submit -splangtion with this spareness.
For Completion by Nonprofit Organizations Authorized To It The pursoes, functions, and funged this status of this algorithm is the complete of	hanged During Sing 12 Months	ates (DMM Section 423.12 only) empt status for Federal income to (III thus	an purposes (Check one) seed, publisher musi submit -splangtion with this spareness.
For Completion by Neoporth Organizations Authorized To No The purpose, function, and composite status of this dispalation of the Completion of the Completio	hanged During Sing 12 Months	ates (DMM Semon 423.12 only); empt status for Federal income to .01 change change Aversee No. Contan Each Issue O	an purposes (Check one) seed, publisher musi submit -splangtion with this spareness.
For Completion by Nonpools Organizations Authorized To No The purpose, function, and composite status of this dispalation of the dispalation of th	hanged During Sing 12 Months	ates (DMM Semon 423.12 only); empt status for Federal income to .01 change change Aversee No. Contan Each Issue O	an purposes (Check one) seed, publisher musi submit -splangtion with this spareness.
For Completion by Nonpools Organizations Authorized To In The purpose, function, and nonpools datus of this disposition of the disposition of the Completion	hanged During sing 12 Months	nates (DMM Strone 421.12 only) imply shallow for Federal income to	an purposes (Check one)  gget, publisher must submit suplanation only this statement.  grant No. Copies of Simp Published Neurost to Pilli
For Completion by Nonportif Organizations Authorized To No The purpose, nucleon, and nonportif status of this organization. An open status of this organization of the completion of the complet	hanged During sing 12 Months	atte (DMM Semon 03/12 ody) empt status for Federal income to the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comment of the comme	an purposes (Check one)  gget, publisher must submit suplanation only this statement.  grant No. Copies of Simp Published Neurost to Pilli
For Completion by Nonprofit Organizations Authorized To h The purpose, Authorized To and composit status of this disposition  11 11 12 14 14 14 15 14 16 16 16 16 16 16 16 16 16 16 16 16 16	hanged During sing 12 Months	nees (DMM Serons 42), 12 may, empt shatus for Federal income to 	an ourcoss (Check etc)  scot, publisher must calcular systematic  with by seatment  uning  Actual No. Copies of Sing  Published Newsest to Pills  5900
For Completion by Non-porfs Organizations Authorized To No The purpose, function, and complete status of this organization and the organization of	hanged During sing 12 Months	nates (DMM Strone 421.12 only) imply shallow for Federal income to	an purposes (Check one)  gget, publisher must submit suplanation only this statement.  grant No. Copies of Simp Published Neurost to Pilli
For Completion by Nonportin Organizations Authorized To The purpose, function, and comprete status of this organization and complete status of this organization of the organization of th	hanged During sing 12 Months	nees (DMM Serons 42), 12 may, empt shatus for Federal income to 	an ourcoss (Check etc)  scot, publisher must calcular systematic  with by seatment  uning  Actual No. Copies of Sing  Published Newsest to Pills  5900
For Completion by Nonprofit Organizations Authorized To In The purpose, function, and compretit status of this disposition for the disposition of	hanged During sing 12 Months	asset (DMM Sermon 421.12 only) unique status for Federal income to  Ill thomas funge funge Average No. Copies Each Issue Federal 2 Abertha  5533  5109  5109	on purposes (Check etc)  scot, publisher mai inhuis systematic  using Actual No. Copies of Sing  Bullisher (Newson to Sin  5800  5408  5408
For Completion by Non-pools Organizations Authorized To No The purposes, Deciding and Composite Status of this dispalation, and disposite status of this dispalation.  (2)  1/2  1/4 Is Not Changed During  1/4 Sold Sold Sold Sold Sold Sold Sold Sold	hanged During sing 12 Months	asset (DMM Sermon 421.12 only) unique status for Federal income to  ill think fininge fininge fininge 5533 5109	an ourross (Check etc)  scot, publisher must military systemation with systematic  uring Actual No. Copies of Sing.  5800  5408
For Completion by Nonprofit Organizations Authorized To In The purpose, function, and compretit status of this disposition for the disposition of	hanged During sing 12 Months	aces (DMM Sermon 421.12 only) unique viatus for Federal income (M. Inhoritory) Average No. Copies Each Issue D Average No. Copies Each Issue 5533 5109 5109 206	ar purposes (Check etc)  second publisher mai submit systematic  second publisher mai submit systematic  second publisher mai submit systematic  second publisher files to file  5800  5408  5408  206
For Completion by Non-pools Organizations Authorized To No The purposes, Deciding and Composite Status of this dispalation, and disposite status of this dispalation.  (2)  1/2  1/4 Is Not Changed During  1/4 Sold Sold Sold Sold Sold Sold Sold Sold	henged During fing 12 Months	asset (DMM Sermon 421.12 only) unique status for Federal income to  Ill thomas funge funge Average No. Copies Each Issue Federal 2 Abertha  5533  5109  5109	on purposes (Check etc)  scot, publisher mai inhuis systematic  using Actual No. Copies of Sing  Bullisher (Newson to Sin  5800  5408  5408
For Completion by Nonprofit Organizations Authorized To In The purpose, Notice, and conjugate attention and conjugate attentio	henged During fing 12 Months	ares (DMM Serror 422.12 onto):  If the service of t	per purposes (Check one)  geof, publisher musi submit syntaminim mit had sparament.  Actual No. Copies of Similar  Exhibiting futures to Diff.  5800  5408  206  5512
B. For Completion by Nonportal Organizations Authorized To In The purpose, function, and conjust status of this digidal process of the digidal process of the conjust of the digidal process of the conjust of the digidal process of the conjust of	henged During ding 12 Months counter seles	ares (DMM Serror 422.12 onto):  If the service of t	per purposes (Check one)  geof, publisher musi submit syntaminim mit had sparament.  Actual No. Copies of Similar  Exhibiting futures to Diff.  5800  5408  206  5512
For Completion by Remporte Organizations Authorized To In The purpose, function, and conjust status of this digidal presents of the digidal presents	henged During ding 12 Months counter seles	ares (DMM Serior 422.12 only) to report of the following control of the	per purposes (Check etc.)  geof, publisher must unbuni systematikanish kin pusermera.  Publisher Messes to Filli  5800  5408  206  5612  188
For Completion by Nonports Organizations Authorized To In The purpose, function, and conjust status of this aggingle, function, and conjust status of this aggingle.  [1]  I has Not Changed During	henged During 12 Months in graph of the counter sales in graph of the counter sales in a graph	ares (DMM Serror 422.12 onto):  If the service of t	200 purposes (Check and) 200 publisher mus selain systematics with this patements with this patements Actual No. Copias of Sint Published Measest to Fill 5800  5408  206  5612  188
B. For Completion by Nonportal Organizations Authorized To In The purpose, function, and conjust status of this digidal process of the digidal process of the conjust of the digidal process of the conjust of the digidal process of the conjust of	henged During 12 Months in graph of the counter sales in graph of the counter sales in a graph	ates (DMM Semin 42) (2 only)  If United Proceedings of the Common seminary of the Common Se	200 purposes (Check and) 200 publisher mus selain systematics with this patements with this patements Actual No. Copias of Sint Published Measest to Fill 5800  5408  206  5612  188